

Title (en)

Concrete product using aggregates obtained by pulverizing melt slugs and the method of fabricating the same.

Title (de)

Betonprodukt unter Verwendung von durch Zerkleinerung von Schmelzschlacken hergestellten Zuschlagstoffen und Verfahren zu seiner Herstellung.

Title (fr)

Produit en béton à partir d'aggrégats obtenus par fragmentation de scorie fondue et son procédé de fabrication.

Publication

EP 0569882 A1 19931118 (EN)

Application

EP 93107470 A 19930507

Priority

JP 14344292 A 19920509

Abstract (en)

A concrete product which uses 100% of the melt slugs and pulverizes the melt slugs into aggregates and fine powders, grinds the aggregates so that the percentage of absolute volume of the aggregates is over 60%, mixes the aggregates, fine powders, water and cement, and forms the mixture into the concrete product by vibration or press molding. <IMAGE>

IPC 1-7

C04B 18/14; **C04B 28/02**

IPC 8 full level

C04B 18/14 (2006.01); **C04B 18/04** (2006.01); **C04B 18/06** (2006.01); **C04B 28/02** (2006.01); **C21B 3/08** (2006.01); **E01C 5/06** (2006.01)

CPC (source: EP KR US)

C04B 18/067 (2013.01 - EP US); **C04B 18/30** (2013.01 - KR); **C04B 20/02** (2013.01 - KR); **C04B 28/02** (2013.01 - EP KR US); **C21B 3/08** (2013.01 - EP US); **C04B 2111/0075** (2013.01 - KR); **C21B 2400/024** (2018.07 - EP US); **C21B 2400/028** (2018.07 - EP US); **C21B 2400/044** (2018.07 - EP US); **Y02P 10/20** (2015.11 - EP US); **Y02W 30/91** (2015.05 - EP KR US); **Y10S 264/43** (2013.01 - EP US); **Y10S 423/18** (2013.01 - EP US)

C-Set (source: EP US)

1. **C04B 28/02** + **C04B 18/067** + **C04B 20/0076** + **C04B 40/0067**
2. **C04B 28/02** + **C04B 18/067** + **C04B 20/0076** + **C04B 40/0071**
3. **C04B 18/067** + **C04B 20/026**

Citation (search report)

- [X] DE 1101259 B 19610302 - PAUL MAYDL DIPL ING
- [A] GB 1218411 A 19710106 - THERMOCRETE BAUPATENTE VERWETU [LI]
- [A] DE 1471135 A1 19681205 - THERMOCRETE ETS
- [A] DE 1233768 B 19670202 - GEORG ARNO HABEL

Cited by

WO2004011383A1

Designated contracting state (EPC)

DE GB IT NL

DOCDB simple family (publication)

EP 0569882 A1 19931118; **EP 0569882 B1 19961218**; DE 69306651 D1 19970130; DE 69306651 T2 19970417; JP 3291534 B2 20020610; JP H06279084 A 19941004; KR 0125947 B1 19971219; KR 940005512 A 19940321; NO 931682 D0 19930507; NO 931682 L 19931110; US 5540771 A 19960730

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